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PULPWOOD PRODUCTION[1]/ IN THE LAKE STATES BY COUNTY, 1984

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Abstract.--Lake States pulpwood production climbed to a record 7.19 million cords in 1984. Pulpwood production is shown by county and species group in Michigan, Minnesota, and Wisconsin.

KEY WORDS: Residue, Michigan, Minnesota, Wisconsin.

Pulpwood production in the Lake States--Michigan, Minnesota, and Wisconsin--rose from 6.54 million cords in 1983 to a record 7.19 million cords in 1984. Wisconsin produced 2.64 million cords, Michigan 2.40 million cords, and Minnesota 2.15 million cords.

Ninety-two percent came from roundwood (including chips from roundwood); the remainder came from mill residue such as slabs, edgings, veneer cores, and chips from these materials. Production from softwood and hardwood residue by State was:

State	Softwood	Hardwood
	(Hundred standard cords, unpeeled)	
Michigan	229	1,672
Minnesota	469	455
Wisconsin	473	2,485

Principal species harvested were aspen (3,557,400 cords), pine (964,900 cords), maple (543,500 cords), birch (330,600 cords), and balsam fir (304,600 cords).

Wisconsin imported 23 percent of its pulpwood requirements, including 442,000 cords from Michigan, 183,000 cords from Minnesota, 134,000 cords from other (primarily western) States, and 7,000 cords from Canada.

Counties cutting more than 100,000 cords were Delta, Menominee, Iron, and Marquette in Michigan; Koochiching, Lake, St. Louis, Beltrami, Cass, Hubbard, and Itasca in Minnesota; and Forest, Langlade, Marinette, Oneida, Vilas, Bayfield, Douglas, Price, and Sawyer in Wisconsin. These 20 counties contributed 51 percent of the pulpwood produced from roundwood in the Lake States in 1984.

1/ Includes logs, bolts, and wood residue used in manufacturing particleboard, waferboard, and oriented strand board.

Table 1.--Lake states pulpwood production from roundwood by county and species, 1984

(In hundred standard cords, unpeeled)

MICHIGAN

Unit 1/ and county	All species	Pine	Spruce	Balsam fir	Hemlock	Tamarack	Cedar	Aspen	Birch	Oak	Maple	Other hardwoods
E. UPPER PENINSULA												
Alger	527	91	40	28	25	4	13	61	54	1	109	101
Chippewa	443	163	60	19	11	3	5	115	13	5	31	18
Delta	1,322	293	109	147	38	13	23	270	120	X 2/	154	155
Luce	259	68	40	19	27	2	1	58	12	X	16	16
Mackinac	558	46	46	33	24	3	7	211	40	9	87	52
Menominee	1,082	97	75	154	72	13	25	365	88	4	93	96
Schoolcraft	908	376	55	47	49	11	17	89	71	X	107	86
Total	5,099	1,134	425	447	246	49	91	1,169	398	19	597	524
W. UPPER PENINSULA												
Baraga	845	82	12	13	86	3	8	326	53	1	112	149
Dickinson	824	49	65	65	28	6	6	423	78	2	49	53
Gogebic	722	67	24	13	12	-	-	137	58	2	248	161
Houghton	298	41	5	7	11	2	-	106	17	5	72	32
Iron	1,423	79	104	89	17	9	8	570	117	1	246	183
Keweenaw	1	-	X	-	1	-	-	-	-	-	-	X
Marquette	1,618	375	119	116	67	26	27	318	169	6	210	185
Ontonagon	612	40	3	5	3	X	-	241	43	4	196	77
Total	6,343	733	332	308	225	46	49	2,121	535	21	1,133	840
N. LOWER PENINSULA												
Alcona	638	22	X	1	-	-	-	462	20	74	33	26
Alpena	319	12	1	1	-	-	-	225	20	23	22	15
Antrim	87	1	-	-	-	-	-	63	X	6	13	4
Arenac	7	X	-	-	-	-	-	7	-	-	X	X
Bay	1	-	-	-	-	-	-	1	-	-	-	-
Benzie	132	4	-	-	-	-	-	60	4	16	41	7
Charlevoix	208	1	-	-	-	-	-	143	5	12	39	8
Cheboygan	704	19	2	5	-	-	-	510	39	27	79	23
Clare	288	4	-	-	-	-	-	247	3	28	5	1
Crawford	360	119	-	-	-	-	-	163	X	41	34	3
Emmet	130	13	X	X	-	-	-	89	1	7	16	4
Gladwin	196	15	-	-	-	-	-	164	1	4	8	4
Grand Traverse	141	7	-	X	-	-	-	84	2	38	6	4
Iosco	150	53	-	-	-	-	-	60	8	9	14	6
Isabella	62	-	-	-	-	-	-	55	-	6	1	-
Kalkaska	212	58	-	-	-	-	-	118	2	16	15	3
Lake	619	53	-	-	-	-	-	281	8	239	35	3
Leelanau	13	-	-	-	-	-	-	7	-	5	1	-
Manistee	483	25	-	-	-	-	-	176	26	134	72	50
Mason	358	5	-	-	-	-	-	231	10	53	54	5
Mecosta	385	8	-	-	-	-	-	348	X	19	10	X
Midland	87	-	-	-	-	-	-	70	8	X	1	8
Missaukee	453	29	-	-	-	-	-	363	2	8	49	2
Montmorency	616	84	-	-	-	-	-	371	21	72	48	20
Newaygo	403	78	-	-	-	-	-	214	1	74	34	2
Oceana	198	2	-	-	-	-	-	119	6	46	24	1
Ogemaw	419	112	-	X	-	-	-	185	12	75	27	8
Osceola	349	2	-	-	-	-	-	259	8	40	39	1
Oscoda	519	109	X	X	-	-	-	315	9	35	40	11
Otsego	209	38	-	-	-	-	-	130	3	12	20	6
Presque Isle	431	15	7	18	-	-	-	280	27	21	44	19
Roscommon	428	101	1	2	-	-	-	243	7	45	27	2
Wexford	439	56	-	-	-	-	-	155	6	59	153	10
Total	10,044	1,045	11	27	-	-	-	6,198	259	1,244	1,004	256
S. LOWER PENINSULA												
Allegan	132	-	-	-	-	-	-	12	X	60	33	27
Barry	57	1	-	-	-	-	-	10	-	24	12	10
Calhoun	5	1	-	-	-	-	-	X	-	4	-	-
Cass	6	-	-	-	-	-	-	-	-	-	-	6
Eaton	X	-	-	-	-	-	-	X	-	-	-	-
Kalamazoo	17	X	-	-	-	-	-	1	-	8	4	4
Kent	5	X	-	-	-	-	-	4	X	1	X	X
Montcalm	28	X	-	-	-	-	-	22	X	5	1	X
Muskegon	164	3	-	-	-	-	-	32	1	107	20	1
Ottawa	84	14	-	-	-	-	-	40	X	21	6	3
St. Joseph	20	-	-	-	-	-	-	2	-	14	2	2
Van Buren	66	X	-	-	-	-	-	7	-	29	16	14
Total	584	19	-	-	-	-	-	130	1	273	94	67
State total	22,070	2,931	768	782	471	95	140	9,618	1,193	1,557	2,828	1,687

(Table 1 continued on next pa

(Table 1 continued)

MINNESOTA

Unit and county	All species	Pine	Spruce	Balsam fir	Hemlock	Tamarack	Cedar	Aspen	Birch	Oak	Maple	Other hardwoods
ASPEN-BIRCH												
Carlton	315	13	16	25	-	1	-	239	-	-	-	21
Cook	607	67	135	108	-	-	-	293	-	-	-	4
Koochiching	2,894	167	335	290	-	49	-	1,940	5	-	2	106
Lake	1,051	109	164	108	-	7	-	649	3	-	-	11
St. Louis	4,531	643	249	351	-	6	-	3,066	9	-	-	207
Total	9,398	999	899	882	-	63	-	6,187	17	-	2	349
NORTHERN PINE												
Aitkin	663	3	4	6	-	6	-	588	1	-	-	55
Becker	184	14	-	-	-	X	-	159	-	-	-	11
Beltrami	1,609	93	67	116	-	19	-	1,275	5	-	1	33
Cass	1,527	149	7	34	-	5	-	1,296	10	-	1	25
Clearwater	751	19	15	16	-	6	-	679	1	-	1	14
Crow Wing	317	54	1	1	-	-	-	261	-	-	-	-
Hubbard	1,124	60	21	4	-	1	-	1,008	-	-	-	30
Itasca	3,740	157	77	389	-	10	-	3,045	X	-	-	62
Lake of the Woods	337	156	66	9	-	2	-	97	-	-	-	7
Mahnomen	87	4	-	-	-	1	-	81	-	-	-	1
Roseau	78	58	19	1	-	X	-	-	-	-	-	-
Wadena	124	78	-	-	-	-	-	45	-	-	-	1
Total	10,541	845	277	576	-	50	-	8,534	17	-	3	239
CENTRAL HARDWOOD												
Kanabec	32	-	-	-	-	-	-	32	-	-	-	-
Mille Lacs	184	2	X	-	-	X	-	182	-	-	-	-
Morrison	104	2	-	-	-	-	-	102	-	-	-	-
Otter Tail	1	-	-	-	-	1	-	-	-	-	-	-
Pine	283	18	-	-	-	X	-	235	2	-	-	28
Sherburne	19	19	-	-	-	-	-	-	-	-	-	-
Todd	9	2	-	-	-	-	-	7	-	-	-	-
Total	632	43	X	-	-	1	-	558	2	-	-	28
PRAIRIE												
Polk	11	-	-	-	-	1	-	10	-	-	-	-
Stevens	X	X	-	-	-	-	-	-	-	-	-	-
Total	11	X	-	-	-	1	-	10	-	-	-	-
State total	20,582	1,887	1,176	1,458	-	115	-	15,289	36	-	5	616

(Table 1 continued on next page)

WISCONSIN

(Table 1 continued)

Unit and county	All species	Pine	Spruce	Balsam fir	Hemlock	Tamarack	Cedar	Aspen	Birch	Oak	Maple	Other hardwoods
NORTHEASTERN												
Florence	742	59	48	67	30	2	1	382	44	9	65	35
Forest	1,419	71	98	122	21	2	-	502	147	15	295	146
Langlade	1,183	49	11	47	9	1	-	479	128	2	332	125
Lincoln	983	67	16	33	12	3	-	472	60	X	201	119
Marinette	1,536	178	29	124	7	5	-	994	62	14	78	45
Menominee	495	126	-	-	106	-	-	133	12	10	56	52
Oconto	510	118	2	12	2	1	-	312	19	5	25	14
Oneida	1,481	247	92	115	10	7	-	526	239	1	180	64
Shawano	213	49	X	X	8	1	-	83	12	9	34	17
Vilas	1,066	147	35	79	9	1	-	471	178	6	122	18
Total	9,628	1,111	331	599	214	23	1	4,354	901	71	1,388	635
NORTHWESTERN												
Ashland	989	80	35	60	1	4	-	479	92	8	158	72
Barron	73	10	-	-	-	-	-	54	9	X	X	X
Bayfield	1,864	411	X	9	-	1	-	1,108	274	14	32	15
Burnett	647	227	X	-	-	X	-	412	3	1	1	3
Douglas	1,131	455	2	28	-	X	-	549	73	1	9	14
Iron	601	18	5	15	4	1	-	319	94	3	91	51
Polk	30	13	-	-	X	-	-	16	1	X	X	X
Price	1,101	54	14	49	9	4	-	473	156	12	216	114
Rusk	639	15	1	2	1	X	-	327	80	37	89	87
Sawyer	1,283	45	15	16	2	2	-	800	181	15	139	68
Taylor	633	31	4	19	8	2	-	254	61	10	195	49
Washburn	630	139	X	2	-	-	-	433	25	2	20	9
Total	9,621	1,498	76	200	25	14	-	5,224	1,049	103	950	482
CENTRAL												
Adams	355	300	-	X	-	-	-	3	1	48	2	1
Chippewa	256	17	1	X	-	-	-	139	32	10	33	24
Clark	507	46	X	X	X	-	-	259	45	51	73	33
Eau Claire	148	96	-	1	-	-	-	24	3	16	6	2
Jackson	395	275	-	-	X	-	-	53	6	47	13	1
Juneau	261	191	-	-	4	-	-	21	2	36	5	2
Marathon	580	102	3	5	5	X	-	304	15	8	78	60
Marquette	123	92	X	-	-	X	-	4	2	19	3	3
Monroe	176	152	-	-	-	-	-	4	3	10	5	2
Portage	245	127	3	1	1	3	-	62	5	29	9	5
Waupaca	166	68	X	-	X	X	-	65	2	9	13	9
Waushara	263	252	-	-	-	-	-	10	-	1	X	-
Wood	298	103	1	-	X	X	-	118	8	42	22	4
Total	3,773	1,821	8	7	10	3	-	1,066	124	326	262	146
SOUTHWESTERN												
Buffalo	14	14	-	-	-	-	-	X	-	-	-	-
Crawford	X	-	-	-	-	-	-	X	-	-	-	-
Dunn	113	111	-	-	-	-	-	-	1	1	-	-
Grant	X	-	-	-	-	-	-	X	-	-	-	-
Iowa	X	X	-	-	-	-	-	-	-	-	-	-
La Crosse	9	9	-	-	-	-	-	-	-	-	-	-
Pepin	4	3	X	-	-	-	-	-	-	1	-	-
Pierce	X	-	-	-	-	-	-	-	-	X	X	X
Richland	2	2	-	-	-	-	-	-	-	-	-	-
St. Croix	2	2	-	-	-	-	-	-	-	-	-	-
Sauk	75	73	-	-	-	-	-	-	X	1	1	X
Trempealeau	56	52	X	-	-	-	-	X	X	4	X	X
Total	275	266	X	-	-	-	-	X	1	7	1	X
SOUTHEASTERN												
Brown	3	X	-	-	-	-	-	3	-	-	-	-
Columbia	109	91	-	-	-	-	-	-	2	14	1	1
Door	17	X	-	-	-	-	-	17	-	-	-	-
Fond du Lac	X	X	-	-	-	-	-	-	-	-	-	-
Green Lake	18	18	-	-	-	-	-	-	-	-	-	-
Manitowoc	X	X	-	-	-	-	-	-	-	-	-	-
Outagamie	7	4	-	-	-	-	-	3	X	X	X	X
Ozaukee	X	X	-	-	-	-	-	-	-	-	-	-
Sheboygan	8	8	-	-	-	-	-	-	-	-	-	-
Walworth	1	1	-	-	-	-	-	-	-	-	-	-
Waukesha	13	13	-	-	-	-	-	-	-	-	-	-
Total	176	135	-	-	-	-	-	23	2	14	1	1
State total	23,473	4,831	415	806	249	40	1	10,667	2,077	521	2,602	1,264

1/ Includes only those counties that supplied pulpwood in 1984.

2/ X = less than 50 cords.